



DEPARTMENT OF WATER RESOURCES  
EXAMINATION ANNOUNCEMENT



The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

PRINCIPAL HYDROELECTRIC POWER UTILITY ENGINEER  
OPEN  
CONTINUOUS

THIS BULLETIN, RELEASED ON 07/01/2015 CANCELS AND SUPERSEDES ANY PREVIOUS BULLETINS.

CONTINUOUS FILING	CUT-OFF DATE: JULY 31, 2015
	This examination is Continuous Filing. Examination Application Forms (STD 678 Rev. 10/2013) must be postmarked or submitted in person by the CUT-OFF DATE. Applications postmarked or personally delivered after the cut-off date will be held for the next administration. FAXED APPLICATIONS WILL NOT BE ACCEPTED.
WHO SHOULD APPLY	This is an open examination. Candidates who meet the minimum qualifications as stated below may apply for this examination.
HOW TO APPLY	<div>Examination Applications must have an original signature. It is the personal responsibility of each examination candidate to submit their application materials within the timeframe and in the manner specified on this examination bulletin. Examination Applications (Form STD 678 Rev. 10/2013) may be mailed or submitted in person to:</div> <div><div><div><b>MAILING ADDRESS:</b></div><div>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</div></div><div><div><b>SUBMIT IN PERSON:</b></div><div>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</div></div></div> <div>DO NOT SEND APPLICATIONS TO THE DEPARTMENT OF HUMAN RESOURCES OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams.cfm">www.water.ca.gov/jobs/currentexams.cfm</a>, local office of the Employment Development Department, the Department of Human Resources (CalHR), and their website: <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a>.</div>
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Examination Application." You will be contacted to make specific arrangements.
SALARY RANGE	\$10839 - 12312
ELIGIBLE LIST INFORMATION	An open eligible list will be established for the Department of Water Resources. The names of successful competitors will be merged on the eligible list in order of final scores regardless of test date. Eligibility expires 24 months after it is established. Competitors must then retest to re-establish eligibility
TESTING PERIOD	Competitors may only test once every 12 months.
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<div>NOTE: All applicants must meet the minimum qualifications for this examination by the cut-off date.</div> <div>Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</div> <div>Education: Graduation from college with major work in electrical, electronic, mechanical, or civil engineering. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) And</div> <div>Either I</div> <div>Two years of experience at the Supervising Hydroelectric Power Utility Engineer in California State Service.</div> <div>Or II</div> <div>Five years of progressively responsible engineering experience in the electric utilities field and/or in the operation and maintenance of pumping and generating equipment, at least two years of which shall have been comparable in responsibility to that of a Supervising Hydroelectric Power Utility Engineer.</div>
POSITION DESCRIPTION	<div>As a Principal Hydroelectric Power Utility Engineer, incumbents will plan, organize, direct, and manage activities in the electric utilities field and / or operation and maintenance of pumping and generating equipment.</div> <div>Positions exist Statewide with the Department of Water Resources.</div>
EXAMINATION INFORMATION	This examination will consist of a <b>Qualifications Appraisal Interview – Weighted 100%</b> . In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. <b>COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.</b>

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

PRINCIPAL HYDROELECTRIC POWER UTILITY ENGINEER		CONTINUOUS FILING
SCOPE OF EXAMINATION	Qualifications Appraisal Interview – Weighted 100%	
	<p>In order to obtain a position on the eligible list, a minimum rating of 70% must be attained in the Qualifications Appraisal Interview.</p> <p>In addition to evaluating the competitors’ relative abilities as demonstrated by quality and breadth of experience, emphasis will also be on measuring competitively, relative to job demands, each competitor’s:</p> <p><b>A. Knowledge of:</b></p> <ol style="list-style-type: none"><li>1. Engineering theory and practices relating to power generation, transmission, distribution, and marketing.</li><li>2. Electric utility operation and management.</li><li>3. Functions, responsibilities, and procedures of regulatory and government agencies including the Public Utilities Commission, the Federal Energy Regulatory Commission, and the California Energy Commission, in the electric utility field.</li><li>4. Planning, design, construction, and operation of major generating plants, power transmission systems and pumping plants.</li><li>5. Methods of determining the optimum capacity and energy output of generating plants.</li><li>6. Power marketing and economics, including the market for and value of electric power, methods of marketing power and rates, agreements.</li><li>7. Operating, maintaining and testing of electrical and mechanical equipment and systems for plants, switchyards, reservoir outlets and aqueduct control features.</li><li>8. Environmental issues and policies.</li><li>9. Unit operating and loading procedures and criteria.</li><li>10. Standards of the American National Standards Institute, Institute of Electrical and Electronic Engineers, and American Society of Mechanical Engineers.</li><li>11. Instrumentation and control circuitry and electrical protection.</li><li>12. Servo systems and governors; bearings; lubrication; metal working; machining and welding; nondestructive examination.</li><li>13. Alignment and balancing of rotating machinery including vibration measurement.</li><li>14. Methods of maintenance, repair, and testing.</li><li>15. Power system operation and control.</li><li>16. Power system studies, load flow, stability, and fault analyses.</li><li>17. The Department’s Equal Employment Opportunity Program objectives.</li><li>18. A manager’s role in the Equal Employment Opportunity Program, and the processes available to meet these objectives.</li><li>19. Department policies.</li></ol> <p><b>B. Ability to:</b></p> <ol style="list-style-type: none"><li>1. Analyze situations accurately and adopt an effective course of action.</li><li>2. Prepare clear and concise reports.</li><li>3. Prepare procedures and manuals.</li><li>4. Make feasibility studies.</li><li>5. Interpret, prepare and revise electrical and mechanical drawings and schematics and relay and control logic diagrams.</li><li>6. Assist and advise others on maintenance and repair procedures, materials and tools.</li><li>7. Negotiate, administer, and coordinate contracts such as for maintenance, repair, testing and consultation.</li><li>8. Conduct and coordinate special test activities.</li><li>9. Use personal computers.</li><li>10. Plan, organize, and direct the work of an engineering staff.</li><li>11. Prepare comprehensive reports and correspondence.</li><li>12. Establish and maintain effective public relations.</li><li>13. Effectively contribute to the Department’s Equal Employment Opportunity Program objectives.</li></ol>	
ADDITIONAL DESIRABLE QUALIFICATION	Possession of a valid certificate of registration as a professional engineer.	
VETERANS PREFERENCE	Assembly Bill 372, signed into law by Governor Brown on August 12, 2013, changes the way the Veterans Preference process is administered by the State of California. Veterans Preference will be awarded as follows, starting on January 1, 2014: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for Veteran’s Preference. 2) An entrance exam is defined, under law, as any open competitive examination 3) Veterans Preference is not granted once a person achieves permanent civil service status.	
GENERAL INFORMATION		
<p><b>The Department of Water Resources</b> reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.</p> <p><b>For any examination</b> without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838, three weeks after the final filing date if he/she has not received a progress notice.</p> <p><b>Applications</b> are available at Department of Water Resources’ (DWR) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams.cfm">www.water.ca.gov/jobs/currentexams.cfm</a>, local office of the Employment Development Department, the Department of Human Resources (CALHR), and their website: <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a>.</p> <p><b>If you meet the requirements</b> stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.</p> <p><b>General Qualifications:</b> Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.</p> <p><b>Examination Locations:</b> When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.</p> <p><b>If a candidate’s notice</b> of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.</p> <p><b>Eligible Lists:</b> Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.</p> <p><b>How to apply for Veterans Preference:</b> The California Department of Human Resources (CalHR) has information on how to apply for Veterans Preference on their website at <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a> and on the Application for Veterans Preference form (CalHR 1093). Additional information is also available at the Department of Veterans Affairs website at <a href="http://www.cdva.ca.gov">www.cdva.ca.gov</a>.</p> <p><b>TDD</b> is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay <b>Telephone Service</b> for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.</p> <p><b>For information</b> regarding this examination, please contact Samantha Blackwood at (916) 651-6930.</p>		
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